August 29, 1997
GFK-1491

IMPORTANT PRODUCT INFORMATION

READ THIS INFORMATION FIRST

Product: **CIMPLICITY® Display Station Products**

CIMPLICITY Touch Display, 14-inch	IC752ECD400
CIMPLICITY Touch Display, 14-inch	IC752ECD450
CIMPLICITY Touch Display, 14-inch	IC752ECD500
CIMPLICITY Touch Display, 14-inch	IC752ECD550
CIMPLICITY Touch Display, 10.4-inch	IC752CTD400
CIMPLICITY Touch Display, 10.4-inch	IC752CTD450

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Introduction

Overview

The CIMPLICITY Display Station products consist of an industrial operator interface coupled with CIMPLICITY HMI software. This release of the Display Station product family incorporates either Microsoft Windows 95® or Microsoft Windows NT™ operating system and version 3.1 of CIMPLICITY HMI software.

All Display Station products come with server packages, but can be operated as viewers if required. The development viewer comes with the viewer configuration cabinet. The runtime viewer does not come with this option, however it does include the viewer basic control engine which was previously an option in the 2.1 product.

For information on software operation, refer to the documentation listed on page 4.

All products in this release feature 133 MHz Pentium or faster processors and active matrix color screens.

This release includes the following CIMPLICITY HMI products:

Catalog Number	Display Size	Features
IC752ECD400	14-inch	Windows 95 operating system 32 MB RAM, 1.2 GB hard disk 256 colors VGA
IC752ECD450	14-inch	Windows NT operating system 32 MB RAM, 1.2 GB hard disk 256 colors VGA
IC752ECD500	14-inch	Windows 95 operating system 32 MB RAM, 1.2 GB hard disk XVGA 1024 X 768 display 256 colors VGA
IC752ECD550	14-inch	Windows NT operating system 32 MB RAM, 1.2 GB hard disk XVGA 1024 X 768 display 256 colors VGA
IC752CTD400	10.4-inch	Windows 95 operating system 32 MB RAM, 1.2 GB hard disk 16 colors VGA
IC752CTD450	10.4-inch	Windows NT operating system 32 MB RAM, 1.2 GB hard disk 16 colors VGA

All CIMPLICITY MES/SCADA and HMI software for Windows NT and Windows 95 is installed on the hard drive of the Display Station and is distributed on 23 floppy disks or on CD ROM.

Unpacking Your Touch Display Unit

14-Inch Touch Display Products (IC752ECD___)

Box	Item	Quantity
Box 1	14-inch Touch Display unit	1
Box 2	Windows 95 or Windows NT Workstation Version 4.0	1
	Power cord	1
	Floppy drive assembly	1
	Mounting clips	12
	Plastic card guides	4
	Screws	5
	PC-550 Pentium CPU User Manual	1
	3COM 3C90 User Guide	1
	EtherDisk XL floppy disks	1 set (2 disks)
	GFK-1425, Touch Display user documentation	1
	Expansion card holders, five sizes	3 sets
	Gasket material	1
	Box containing CIMPLICITY HMI Server software for Windows 95 and Windows NT, Version 3.1. Includes: License Pack License Pack Documentation Kit for CIMPLICITY HMI Base System Library version 3.1 CIMPLICITY HMI version 3.1	1

10.4-Inch Touch Display Products (IC752CTD___)

Box	Item	Quantity
Box 1	10.4-inch Touch Display unit	1
	Windows 95 or Windows NT Workstation Version 4.0	1
	Power cord	1
	PCM-3520 PC/104 VGA module manual	1
	PS/2 to IBM AT keyboard cable	1
	Ethernet package: floppy disk, BNC-T connector, User Manual	1
	Panel mounting clips	8
	GFK-1425, Touch Display user documentation	1
	AP-S200IF Pentium CPU Card User Manual	1
	Floppy drive assembly	1
Box 2	CIMPLICITY HMI Server software for Windows 95 and Windows NT, version 3.1. Includes: License Pack License Pack Documentation Kit for CIMPLICITY HMI Base System Library version 3.1 CIMPLICITY HMI version 3.1	1

Applicable Documents

The following documents are available for this release:

GFK-1134	*CIMPLICITY® HMI for Windows NT™ Event Manager API Open Architecture Application Developer Guide*
GFK-1180	*CIMPLICITY® HMI for Windows NT™/CIMPLICITY HMI for Windows® 95/CIMPLICITY Server for Windows NT™ Base System User Manual*
GFK-1181	*CIMPLICITY® HMI for Windows NT™/CIMPLICITY HMI for Windows® 95/CIMPLICITY Server for Windows NT™ Device Communications Manual*
GFK-1189	*CIMPLICITY® HMI for Windows NT™ and Windows® 95 Important Product Information*
GFK-1201	*CIMPLICITY® HMI for Windows NT™/Windows® 95/Server for Windows NT Point Management API Application Developer Guide*
GFK-1202	*CIMPLICITY® HMI for Windows NT™/Windows® 95/Server for Windows NT Device Communications Driver Toolkit API Application Developer Guide*
GFK-1260	*CIMPLICITY® MES/SCADA and HMI for Windows® Trending Operation Manual*
GFK-1396	*CIMPLICITY® HMI for Windows NT and Windows 95 CimEdit Operation Manual*
GFK-1220	*CIMPLICITY® Display Station User's Manual*
GFK-1425	*CIMPLICITY® Display Station Touch Display Products*

Technical Support

If you encounter problems with your Display Station product, please refer to the rest of this IPI before calling the technical support number.

README File

The README.WRI file that is provided with CIMPLICITY HMI and MES/SCADA products for Windows 95 and Windows NT contains special notes and information on restrictions and known problems. It is recommended that you read this file, located in the directory C:\CIMPLICITY\, before using the software.

Initial Startup

When you first power up your system, you will need to attach a standard PS/2-type keyboard to the external keyboard port on the Display Station. When the system starts up, you will be required to enter the Product ID from the Windows 95 Certificate of Authenticity and other data to set up your system.

Also, most configuration activities that you perform on a Touch Display system can be more easily completed using a keyboard or may require a keyboard.

10.4-inch Touch Display (IC752CTD400)

Before you get started you need a PS/2 Keyboard.

1. Plug in the floppy disk assembly, keyboard, and power cord.
2. Power on the unit. The Windows 95 Setup screen will appear.
3. Select your Regional Settings. Touch the Next button.
4. Select your Keyboard Layout. Touch the Next button.
5. Type your name.
6. Press the TAB key and type your company name
7. Press ENTER.
8. Read the license agreement
9. Touch your choice.
10. Touch Next.
11. Enter the Windows 95 Certificate of Authenticity number found on the front of your Windows 95 manual. Press ENTER.
12. Touch the Finish button. (For models that have a Plug-and-Play ethernet card, Windows will find the card at this point. Please refer to appropriate “Installing Network Driver…” section for your model type.)
13. Windows 95 will go through setup.
14. When prompted for Date/Time Properties, use your left and right arrow key to switch the time zone to your time zone. Press ENTER.
15. If you have a printer connected, click Next and select your printer model type. If not, touch the Cancel button. The Welcome to Windows 95 window will appear.
16. Click Close for the Welcome to Windows 95 window.

Installing Network Driver on Microsoft Windows 95 for IC752CTD400

Although the network card supports Plug & Play mode, this feature has been disabled due to hardware conflict of non-Plug & Play devices. It is recommended that the network card to use the NE2000 compatible driver instead of the Plug & Play driver provided on the Ethernet Card diskette. To set up your network please follow the steps below.

1. Click the Start icon, click Settings, and Control Panel.
2. In the Control Panel window, double click the Network icon. The Network dialog box will appear.
3. In the Network dialog box, click the Add button. The Select Network Component Type dialog box will appear.
4. Click the Adapter icon. The Select Network Adapters dialog box will appear.
5. In the list of Manufacturers, select Novell/Anthem. Press the TAB key to go to the Network Adapters list. Choose NE2000 Compatible. Click the OK button or press ENTER.
6. In the Network Configuration dialog box, select the NE2000 Compatible line and then click the Properties button.
7. Click the Resources tab. Change the IRQ to 9. Change the I/O address range to 340 — 35F. Click the OK button. (The IRQ setting may change to 9/2.)
8. Click the OK button in the Network dialog box. The system will copy the necessary files and prompt you to restart your computer. To acquire network service, restart the computer by clicking OK or pressing ENTER.

Installing Network Driver on Microsoft Windows 95 for IC752ECD400 or IC752ECD500

The network card used in these systems supports Plug & Play installation. To set up the network, please follow the steps below:

1. The system will then attempt to search the Ethernet driver.
2. A dialog box will be displayed. Click the Next button.
3. Click the Other Locations... button.
4. Type **`c:\3com`** and press ENTER.
5. Click the Finish button.
6. Click OK to the next message.
7. Type **`c:\3com`** and press ENTER.
8. The system will copy the files.

Note

You must follow the above instructions when the operating system automatically detects the presence of the NIC and asks for the disk containing the driver software for the NIC (the EtherDisk 2 diskette).

If you choose Finish or Cancel without providing the appropriate directory, Windows 95 will load a default PCI Ethernet Controller in the Other devices and record the NIC as installed in the System Registry.

Later, when you install the driver software by double clicking the Network icon in the Control Panel, the operating system assumes that you are installing another instance of NIC, not installing software for the already recorded instance. This results in two instances of a NIC being recorded in the System Registry. The Fast EtherLink XL/EtherLink XL NIC will not operate correctly under these circumstances.

To fix the problems caused by installing the default PCI Ethernet Controller:

1. Click Start, Settings, and Control Panel.
2. Double click the System icon in the Control Panel. In the Device Manager dialog box, click the “+” to the right of Network Adapters, then click any instances of the “Fast EtherLink XL/EtherLink XL NIC” shown. Click the Remove button.
3. In the Device Manager dialog box, click the “+” to the right of Other devices, then click any instances of the “PCI Ethernet Controller” shown. Click the Remove button.
4. Restart your computer and complete steps 1 through 8 above.

Configuring the Network to Run on a Microsoft Network

Before setting up your new CIMPLICITY Display Station up for the network, you should consult with your network administrator. Duplicate TCP/IP addresses on the same network cause network problems.

1. Click the Start icon, then click Settings and Control Panel.
2. In the Control Panel window, double click the Network icon. The Network dialog box will appear.
3. In the Network dialog box, click the Add.. button.
4. In the Select Network Component Type dialog box, select the Client icon. Click Add.
5. Select Microsoft as the manufacturer and Client for Microsoft Networks. Click the OK button.
6. In the Network dialog box, you will see two additional tabs beside Configuration. Click the Identification tab. You will need to type in your Computer name, Workgroup name, and Computer Description.

Note

Computer names must be less than or equal to ten characters to run CIMPLICITY software. To verify that your computer name is the correct length:

- For Windows NT systems, use the Network Settings option in the Control Panel program group.
- For Windows 95 systems, use the Network option in the Control Panel program group.

In Windows 95 systems, for Viewers and HMIs to be able to browse remote nodes, the local computer name must be entered into the **`/WINDOWS.000/HOSTS`** file.

9. To allow sharing,
   A. Go to the Configuration tab and click the File and Print Sharing button. The File and Print Sharing dialog box will appear.
   B. Check the File and Print Sharing options that you want and click OK.

10. To add the TCP/IP protocol,

    C. go to the Configuration tab and click the Add button. The Select Network Component dialog box will appear.

    D. Click the Protocol icon. The Select Network Protocol dialog box will appear.

    E. In the Manufacturer list, select Microsoft. In the Protocol list, select TCP/IP. Click OK.

11. When you have finished setting up the Network, click OK in the Network dialog box. Click Yes to reboot your system now.

Login Recommendation

Log onto the system as Administrator when you power up the system. Doing so eliminates the requirement to log on to CIMPLICITY when you run the CIMPLICITY Demo or any other CIMPLICITY project that includes a user named Administrator. All CIMPLICITY projects are configured with an Administrator user by default.

Registering Your CIMPLICITY Software

All Display Stations are licensed to run CIMPLICITY software. Licenses have been loaded for CIMPLICITY HMI Base version 3.1, Trending, TCP/IP Communications, and Series 90 SNP Communications. If you purchase additional product options to run on the Display Station, it is necessary to contact GE Fanuc to update the system licensing.

1. Click Start, Programs, CIMPLICITY, HMI, Registration.
2. Click Next for new User.
3. Read the License Agreement and select Yes if you agree.
4. Fill in the User Information.
5. Click Next
6. Open your CIMPLICITY software box and find your license packs. Open each license pack and enter in the serial numbers.
7. Call the CIMPLICITY phone number that appears on the screen.

Use one of these two numbers to reach GE Fanuc to update your registration:

Fax: 518-464-4581
Phone: 518-464-4619

Faxes and phone calls will be processed between 8 AM and 5 PM Eastern time, Monday through Friday, except for regularly scheduled holidays. Faxes and calls received after hours, on weekends, or holidays will be processed as soon as possible on the following business day.

When you phone, please be prepared to provide GE Fanuc with the following information:

- Your User information
- CIMPLICITY serial numbers
- The System Key Code generated during the registration procedure

Note

When it is installed without the authorization code, you can run the software as a fully functional system in two-hour increments.

Special Operational Notes

Shutting Down the Computer

Caution

To avoid damaging files, always shut down Windows software before removing power from your Display Station product.

To shut down Windows 95 or Windows NT software, select Shut Down from the Start menu.

Touch Screen Surface

Caution

The protective film covering on the Touch Screen is *not* suitable for use in conditions of prolonged exposure to direct sunlight. (Exposure to sunlight through window glass will not harm the protective film.)

Caution

Do not use abrasive products to clean the Touch Screen. Do not allow cleaning agents that contain ammonia to remain on the Touch Screen. These products could damage the protective film on the Touch Screen.

Floppy Disks

Caution

The operating temperature range of floppy disks is 4 to 40°C (39.2 to 104.0°F). Operating the floppy disk drive when the ambient temperature is outside this range could damage the disk medium as well as cause permanent damage to the floppy drive heads.

For best performance, *high temperature, long life* floppy disks should be used. Lower quality floppy disks could fail during repeated read/write cycles.

Restrictions and Open Problems

For details on restrictions and open problems related to the CIMPLICITY software distribution, refer to the README.WRI file provided with CIMPLICITY HMI and MES/SCADA products for Windows 95 and Windows NT. This file is located in the C:\CIMPLICITY\ directory.